

SIGMA-DELTA MODULATOR WITH PASSIVE BANDPASS LOOP FILTER

ABSTRACT OF THE DISCLOSURE

Digitizing a signal includes sampling and holding an analog signal to yield a sampled signal, where the analog signal includes information. The sampled signal is 5 filtered at a passive filter circuit to yield a filtered signal. The passive filter circuit includes at least one passive element and the filtered signal is characterized by a bandpass response. The filtered signal is quantized to yield a digital signal, where the digital signal 10 corresponds to the analog signal and the digital signal includes the information.